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        FILE 'HCAPLUS' ENTERED AT 15:37:44 ON 12 OCT 2005
L1         375 SEA ABB=ON  PLU=ON   METAMER?
L2          56 SEA ABB=ON  PLU=ON   L1 AND LIGHT######
L3          78 SEA ABB=ON  PLU=ON   L1 AND (PRINT###### OR MARK###### OR
                 INDIC######)
L4          23 SEA ABB=ON  PLU=ON   L1 AND CONDITIONS
L5         130 SEA ABB=ON  PLU=ON   L1 AND DIFFER######
L6          10 SEA ABB=ON  PLU=ON   L1 AND ANOTHER
L7          14 SEA ABB=ON  PLU=ON   L1 AND ALTERNAT####
L8          47 SEA ABB=ON  PLU=ON   L1 AND ADDITION#######
L9          54 SEA ABB=ON  PLU=ON   L1 AND CHANG#####
L10        169 SEA ABB=ON  PLU=ON   L1 AND (TWO OR 2 OR SECOND OR 2ND)
L11         57 SEA ABB=ON  PLU=ON   L1 AND APPEAR######
L12         25 SEA ABB=ON  PLU=ON   L1 AND (ILLUMINAT####### OR LAMBDA OR
                 WAVELENGTH OR FREQUENCY)
L13         13 SEA ABB=ON  PLU=ON   (L2 OR L12) AND L3 AND (L4 OR L5 OR L6 OR
                 L7 OR L8 OR L9 OR L10 OR L11)
L14         12 SEA ABB=ON  PLU=ON   (L2 OR L12) AND PAPER####
L15          0 SEA ABB=ON  PLU=ON   (L2 OR L12) AND SHEET####
L16          2 SEA ABB=ON  PLU=ON   (L2 OR L12) AND SUBSTRAT#####
L17         35 SEA ABB=ON  PLU=ON   (L2 OR L12) AND (REFLECT##### OR VIEW######
                 OR APPEAR##### OR SIGHT#### OR SEE OR SEEING OR SEEN OR EYE
                 OR OPTIC######)
L18          9 SEA ABB=ON  PLU=ON   L13 AND (L14 OR L15 OR L16 OR L17)
L19          0 SEA ABB=ON  PLU=ON   L13 AND (?TAMPER? OR ?FORG?)
L20          2 SEA ABB=ON  PLU=ON   L1 AND (?TAMPER? OR ?FORG?)
L21         11 SEA ABB=ON  PLU=ON   L1 AND ?COPY?
L22          1 SEA ABB=ON  PLU=ON   L1 AND ?COPIE?
L23         24 SEA ABB=ON  PLU=ON   L13 OR L18 OR (L20 OR L21 OR L22)
L24         16 SEA ABB=ON  PLU=ON   (L4 OR L5 OR L6 OR L7 OR L8 OR L9) AND L23

L25         10 SEA ABB=ON  PLU=ON   L10 AND L23
L26          2 SEA ABB=ON  PLU=ON   L11 AND L23
L27         94 SEA ABB=ON  PLU=ON   (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                 L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                 L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26)
                 AND ?COLOR?
L28          3 SEA ABB=ON  PLU=ON   (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                 L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                 L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26)
                 AND ?COLOUR?
L29          7 SEA ABB=ON  PLU=ON   (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                 L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                 L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26)
                 AND HUE####
L30          0 SEA ABB=ON  PLU=ON   (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                 L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                 L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26)
                 AND TIMT#####
L31          1 SEA ABB=ON  PLU=ON   L23 AND (L28 OR L29)
L32          7 SEA ABB=ON  PLU=ON   L10 AND (L28 OR L29)
L33         49 SEA ABB=ON  PLU=ON   L6 OR (L13 OR L14 OR L15 OR L16) OR (L18
                 OR L19 OR L20 OR L21 OR L22) OR (L24 OR L25 OR L26) OR (L28 OR
                 L29 OR L30 OR L31 OR L32)
L34          6 SEA ABB=ON  PLU=ON   L33 AND ?PRINT?
                 D ALL TOT
L35          5 SEA ABB=ON  PLU=ON   MARK#### AND L33
L36          5 SEA ABB=ON  PLU=ON   L35 NOT L34
                 D ALL TOT

        FILE 'STNGUIDE' ENTERED AT 15:48:42 ON 12 OCT 2005

        FILE 'HCAPLUS' ENTERED AT 15:49:37 ON 12 OCT 2005
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L37   3 SEA ABB=ON PLU=ON (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR
                L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR L33) AND DOCUMENT

     FILE 'HCAPLUS' ENTERED AT 15:49:42 ON 12 OCT 2005
L38   22 SEA ABB=ON PLU=ON (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR
                L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR L33) AND PAPER

     FILE 'HCAPLUS' ENTERED AT 15:49:48 ON 12 OCT 2005
L39   5 SEA ABB=ON PLU=ON (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR
                L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR
                L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR
                L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR L33) AND SUBSTRATE
L40   25 SEA ABB=ON PLU=ON (L37 OR L38 OR L39) NOT (L35 OR L34)
L41   8 SEA ABB=ON PLU=ON L40 AND (CONDITIONS OR INTENSITIES OR
                CHANG##### OR BRIGHTNESS OR BRIGHTER OR BRIGHTEST)
                D ALL HITSTR TOT
L42   109 SEA ABB=ON PLU=ON L1 AND (COMPAR###### OR MEASUR####### OR
                METER#### OR PHOTOMET? OR LIGHT###(2A)METER##### OR LIGHTMETER?
)
L43   94 SEA ABB=ON PLU=ON (L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR
                L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR
                L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
                L28 OR L29 OR L30 OR L31 OR L32 OR L33) AND L42
L44   85 SEA ABB=ON PLU=ON L43 NOT (L41 OR L35 OR L34)
L45   49 SEA ABB=ON PLU=ON L44 AND L10
L46   14 SEA ABB=ON PLU=ON L45 AND (?PRINT? OR ?INDIC? OR MARK#####)
                D ALL TOT

L34 ANSWER 5 OF 6 HCAPLUS   COPYRIGHT 2005 ACS on STN
AN   2001:738375 HCAPLUS
DN   135:305324
ED   Entered STN: 10 Oct 2001
TI   **Tamper**-proof **printed** document using **metameric**
     pair inks
IN   Uchimura, Hiromi; Tanaka, Toshinori; Uchida, Michiharu
PA   Ministry of Finance, Printing Bureau, Japan
SO   Jpn. Kokai Tokkyo Koho, 7 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
IC   ICM C09D011-00
     ICS B41M003-14; B42D015-10
CC   42-12 (Coatings, Inks, and Related Products)
     Section cross-reference(s): 74
FAN.CNT 1
         PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
         --------------   ----   --------   ---------------------   --------
PI   JP 2001279140   A2   20011010   JP 2000-93237   20000330
PRAI JP 2000-93237   20000330
CLASS
 PATENT NO.   CLASS   PATENT FAMILY CLASSIFICATION CODES
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 JP 2001279140   ICM   C09D011-00
                   ICS   B41M003-14; B42D015-10
AB   The invention relates to a **tamper**-proof **printed**
     document, e.g., currencies, passports, securities, identification cards
     and admission tickets, wherein the information is recorded with
     metameric pair inks.